FILE_NUMATIONS	/	Onto
Entered in N/D File Entered On S R Sheet	Checked by Chief Copy N 1 D to Field Office	Ggpa
Card Indexed W R for State or Fee Land	Approval Letter Disapproval Letter	
COMPLETION DATA: Date Well Completed	Location Inspected	
OW TA	Bond released State of Fee Land	
roes	FILED	
Driller's Log	GR G R-N	Micro
Lat Mi-L So		

Converted to Salt Hater Dupersal March 5, 196?

MONSANTO COMPANY

HYDROCARBONS DIVISION
900 PATTERSON
DENVER, COLORADO 80202

November 22, 1965

The State of Utah
Oil & Gas Conservation Commission
343 East South Temple - Suite 301
Salt Lake City, Utah 34111

Attention: Mr. Cleon B. Feight
Executive Director

Re: Application for Exception Location for Topographical Reasons, McElmo Mesa Pool, Navajo A-3, Drilling Unit No. 12, Sec. 5, T41S, R26E,

San Juan County, Utah.

Gentlemen:

Monsanto Company respectfully requests an exception to the Order issued in Cause No. 109-1 to allow the captioned Navajo A-3 to be located 958 feet east of the west line and 560 feet north of the south line of Section 5, Township 41 South, Range 26 East, S.m Juan County, Utah. The exception is being requested for topographical reasons.

Cause No. 109-1 provides for well locations not less than 500 feet from the legal subdivision. Provision is also made for granting exception locations without notice or hearing for topographical reasons and with consent of offset operators.

In surveying and staking the location, the terrain is such that earth moving work would cost from \$15,000 to \$20,000 to drill within 500 feet of the legal subdivision boundaries. Moving the location in a direct east direction to a point 362 feet from the legal subdivision boundary will cost about \$3,000 for location work.

The State of Utah Page 2 November 22, 1966

The additional \$17,000 expenditure to locate within 500 feet is not warranted when a more suitable surface location is available on top of the Mail Trail Mesa and located 344 feet from the east side of the legal subdivision.

Monsanto Company respectfully requests approval of this application without notice or hearing. Attached is a letter stating no objection to the proposed exception location from all offset operators.

Very truly yours,

MONSANTO COMPANY

JM: rp

Attachment

November 22, 1966

Re

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple - Suite 301
Salt Lake City, Utah 84111

Attention: Mr. Cleon B. Feight
Executive Director

Monsanto Company-Navajo A-3 Drilling Unit No. 12 Sec. 5, T41S, R26E San Juan County, Utah

Gentlemen:

Please be advised that the undersigned, as interested operators in cornering or adjoining drilling units to the captioned Navajo A-3, have no objection to locating the well at 660 feet north of the south line and 958 feet east of the west line of Section 5, Township 41 South, Range 26 East, San Juan County, Utah.

It is understood that Cause No. 109-1, provides that no well will be located within 500 feet from the exterior boundary of the legal subdivision unless topographical reasons prevent compliance. In this event, an exception may be granted without hearing or notice with the consent of offset operators. The proposed location is 362' feet from the east exterior boundary of the drilling unit.

We respectfully request approval of Monsanto Company's application.

Pexaco, Inc.	Zoller and Denneberg
Pan American Petroleum Corporation	
By A73 Kichardsa	Warrior Oil Company
Kimbark Exploration, Ltd.	Joseph B. Chen 1
Br/17 Conficulate	

MONSANTO COMPANY

HYDROCARBONS DIVISION
900 PATTERSON
DENVER, COLORADO 80202

November 22, 1965

The State of Utah Oil & Gas Conservation Commission 348 East South Temple - Suite 301 Salt Lake City, Utah 34111

Attention: Ar. Cleon B. Feight

Executive Director

Application for Exception Location for Topographical Reasons, McElmo Mesa Pool, Mavajo A-3, Drilling Unit Ho. 12, Sec. 5, This, R2GE, San Juan County, Utah.

Gentlemen:

Monsanto Company respectfully requests an exception to the Order issued in Cause No. 109-1 to allow the captioned Navajo A-3 to be located 958 feet east of the west line and 660 feet north of the south line of Section 5, Township 41 South, Range 26 East, S in Juan County, Utah. The exception is being requested for topographical reasons.

Cause No. 109-1 provides for well locations not less than 500 feet from the legal subdivision. Provision is also made for granting exception locations without notice or hearing for topographical reasons and with consent of offset operators.

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The State of Utah Page 2 November 22, 1966

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Monsanto Company respectfully requests approval of this application without notice or hearing. Attached is a letter stating no objection to the proposed exception location from all offset operators.

Very truly yours,

MONSANTO COMPANY

J. harphy, Jr.

JMirp

Attachment

November 22, 1966

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple - Suite 301
Salt Lake City, Utah 34111

Attention: Mr. Cleon B. Feight
Executive Director

Monsanto Company-Navajo A-3 Drilling Unit No. 12 Sec. 5, T41S, R26E San Juan County, Utah

Gentlemen:

Please be advised that the undersigned, as interested operators in cornering or adjoining drilling units to the captioned Navajo A-3, have no objection to locating the well at 660 feet north of the south line and 958 feet east of the west line of Section 5, Township 41 South, Range 26 East, San Juan County, Utah.

It is understood that Cause No. 109-1, provides that no well will be located within 500 feet from the exterior boundary of the legal subdivision unless topographical reasons prevent compliance. In this event, an exception may be granted without hearing or notice with the consent of offset operators. The proposed location is 362' feet from the east exterior boundary of the drilling unit.

We respectfully request approval of Monsanto Company's application.

By Cost shumbers	Zoller and Denneberg
Pan American Petroleum Corporation	
By A 13 Kuchards G	Warrior Oil Company
Kimbark Exploration, Ltd.	Jos In Dr. Oben 1
By at Certainle	

SUBMIT IN TRI (Other instruct on reverse side)

Form approved. Budget Bureau No. 42-R1425

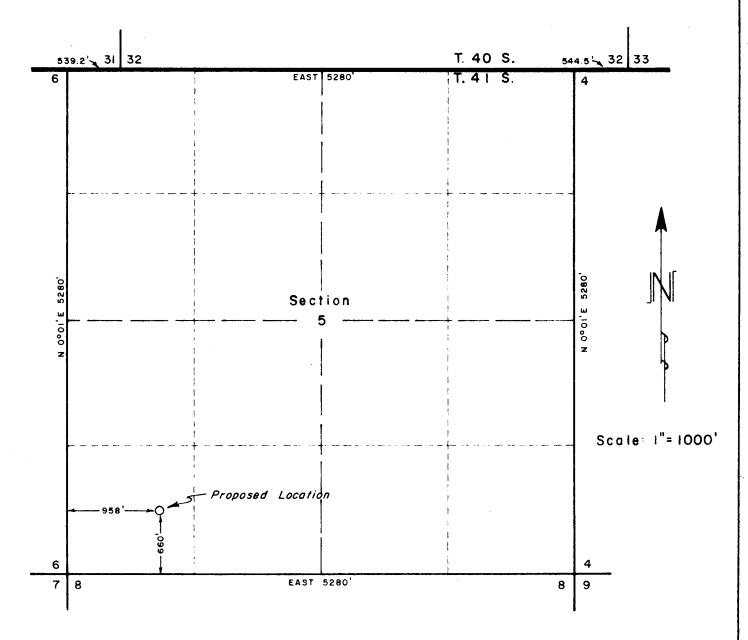
5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNTIED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

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OIT. GA	is 🗆			INGLE X MULTIP	LE	8. FARM OR LEASE NA	ME
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. Monsanto Col 3. address of operator	many					9	•
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4. LOCATION OF WELL (Re	on Building. De	in accordance wi	th any S	State requirements.*)		_ McElmo Mesa	
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SW SW Or 950 At proposed prod. zon	8' FWL & 660' F	Sh•				AND SURVEY OR A	REA
Vertical Ho						Sec. 5. This	s. ROKE
14. DISTANCE IN MILES A	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFIC	E.		Sec. 5, Thi	1 13. STATE
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(Also to nearest drlg 18. DISTANCE FROM PROP			19. PI	2560 ROPOSED DEPTH		RY OR CABLE TOOLS	
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zone. If proposal is to opreventer program, if any	PROPOSED PROGRAM: If I drill or deepen directiona	proposal is to dee	pen or j	plug back, give data on p on subsurface locations a:	resent prod nd measure	luctive zone and propos d and true vertical dept	ed new productive
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/	ral or State oxice use)						
PERMIT NO.				APPROVAL DATE			
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CONDITIONS OF APPROV	AL, IF ANY:	TI	TLE			DAID	Take a contract of the contrac



WELL LOCATION: Monsanto Company - Navajo A-No. 3

Located 660 feet North of the South line and 958 feet East of the West line of Section 5,

Township 41 South, Range 26 East, Salt Lake Base & Meridian.

San Juan Co., Utah

Existing ground elevation determined at 5151 feet based on U.S.G.S.

I hereby certify the above plat represents a survey made under my supervision and that it is occurate to the best of my knowledge and belief.

Endersh HReel

FREDERICK H. REED
Registered Land Surveyor
State of Utah # 2689

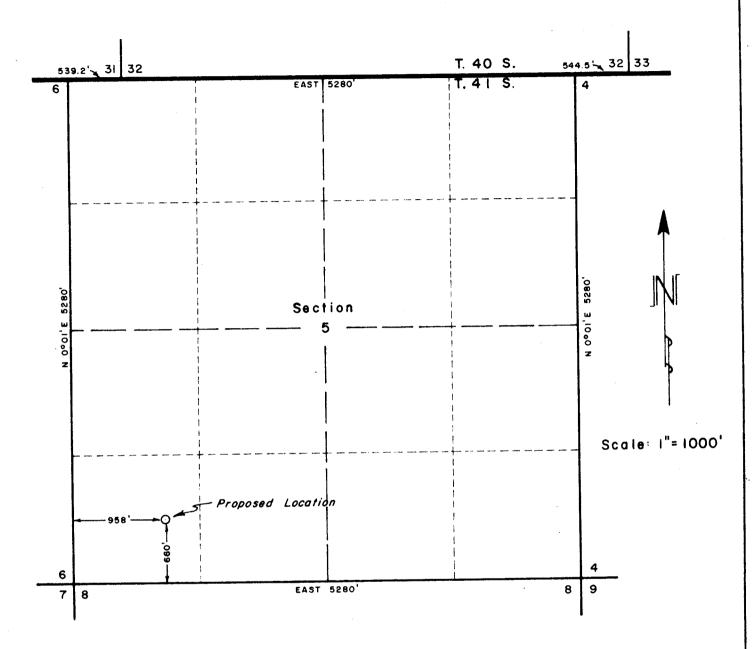


MONSANTO COMPANY Denver, Colorado

WELL LOCATION PLAT Sec. 5- T. 41 S.- R. 26 E. San Juan Co., Utah

CLARK-REED & ASSOC.
Durango, Colorado

DATE: Nov. 10, 1966 FILE NO: 66095



WELL LOCATION: Monsanto Company - Navajo A - No. 3

Located 660 feet North of the South line and 958 feet East of the West line of Section 5, Township 41 South, Range 26 East, Salt Lake Base & Meridian. San Juan Co., Utah Existing ground elevation determined at 5151 feet based on U.S.G.S.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

andersh HReel

FREDERICK H. REED
Registered Land Surveyor
State of Utch # 2689



MONSANTO COMPANY Denver, Colorado

WELL LOCATION PLAT Sec. 5- T. 41 S.- R. 26 E. San Juan Co., Utah

CLARK-REED & ASSOC. Durango, Colorado DATE: Nov. 10, 1966 FILE NO: 66095 EN SIAN 958 FWL 660 AFSL RZGE # 12 Mayor A-3 Ed scholl marganto + vedal opport sup Judy Tojongher & - Offmal gren ly Afort Leavers. 250 13

SUBMIT IN TRIPLICATE

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

	DEPARTMEN	OF THE	NIE	RIOR	[5. BASE DESIGNATION AND SERIAL NO.
	GEOLO	GICAL SURV	ΈΥ			6. INDIAN, ALLOTTEE OR TRIBE NAME
APPLICATION	I FOR PERMIT T	O DRILL,	DEEP	EN, OR PLUG E	BACK	
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b. TYPE OF WELL	LL A	DEEPLIN		redd ba		
WELL GA	AS OTHER			INGLE WULTIF	LE _	8. PARM OR LEASE NAME
2. NAME OF OPERATOR		<u>, </u>				Navajo "A"
Monsanto Co	mpany					9. WELL NO.
3. ADDRESS OF OPERATOR					-	3
OOO Potters 4. LOCATION OF WELL (Re At surface	on Ruilding Deeport location clearly and	in accordance w	ith any l	State requirements.*)		McElmo Mesa
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	AND DIRECTION FROM NEAR		ST OFFIC	*		12. COUNTY OR PARISH 13. STATE
5 miles Sour	th of Ismay Tra	ding Post	1 18 2	O. OF ACRES IN LEASE	17 NO 01	Son Juan Utah
LOCATION TO NEAREST	17.1 - 3.11.5		10. N	_	то тн	IS WELL
(Also to nearest drlg 18. DISTANCE FROM PROP	INE, FT. Jacse Ling, unit line, if any		10 -	2560 ROPOSED DEPTH	80	O CABLE TOOLS
TO NEAREST WELL, DI OR APPLIED FOR, ON THI	RILLING, COMPLETED,	76701	19. P			
21. ELEVATIONS (Show whe		1670'	<u>i</u>	60501	Rota	22. APPROX. DATE WORK WILL START*
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						et through the pay.
						G.S. District Office mission in Salt Lake
						
	drill or deepen direction <u>a</u>					active zone and proposed new productive and true vertical depths. Give blowout
24.						
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SIGNED	·www	TI	ITLE	PER DE LO EL POUC	OptOII (a)	DATE NOVEMBER 22, 190
(This space for Feder	ral or State office use)					
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. Bunit 40.				ALL BOTAL DAIR	<u> </u>	
APPROVED BY			ITLE			DATE
CONDITIONS OF APPROV	AL, IF ANY:			111	· · · · · · · · · · · · · · · · · · ·	

Monsanto

HYDROCARBONS & POLYMERS DIVISION

900 Patterson Building Denver, Colorado 80202 (303) AComa 2-5641

November 22, 1966

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple - Suite 301
Salt Lake City, Utah 84111

Attention: Mr. Cleon B. Feight Executive Director

Re: Application for Exception Location for Topographical Reasons, McElmo Mesa Pool, Navajo A-3, Drilling Unit No. 12, Sec. 5, T41S, R26E, San Juan County, Utah.

Gentlemen:

Monsanto Company respectfully requests an exception to the Order issued in Cause No. 109-1 to allow the captioned Navajo A-3 to be located 958 feet east of the west line and 660 feet north of the south line of Section 5, Township 41 South, Range 26 East, San Juan County, Utah. The exception is being requested for topographical reasons.

Cause No. 109-1 provides for well locations not less than 500 feet from the legal subdivision. Provision is also made for granting exception locations without notice or hearing for topographical reasons and with consent of offset operators.

In surveying and staking the location, the terrain is such that earth moving work would cost from \$15,000 to \$20,000 to drill within 500 feet of the legal subdivision boundaries. Moving the location in a direct east direction to a point 362 feet from the legal subdivision boundary will cost about \$3,000 for location work.

The State of Utah Page 2 November 22, 1966

The additional \$17,000 expenditure to locate within 500 feet is not warranted when a more suitable surface location is available on top of the Mail Trail Mesa and located 344 feet from the east side of the legal subdivision.

Monsanto Company respectfully requests approval of this application without notice or hearing. Attached is a letter stating no objection to the proposed exception location from all offset operators.

Very truly yours,

MONSANTO COMPANY

Murphy, Jr.

JM:rp

Attachment

checked weth know the To

GNP.

Monsanto

_ HYDROCARBONS & POLYMERS DIVISION

900 Patterson Building Denver, Colorado 80202 (303) AComa 2-5641

November 22, 1966

The State of Utah
Oil & Gas Conservation Commission
348 East South Temple - Suite 301
Salt Lake City, Utah 84111

Attention: Mr. Cleon B. Feight
Executive Director

Re: Monsanto Company-Navajo A-3 Drilling Unit No. 12 Sec. 5, T41S, R26E San Juan County, Utah

Gentlemen:

Please be advised that the undersigned, as interested operators in cornering or adjoining drilling units to the captioned Navajo A-3, have no objection to locating the well at 660 feet north of the south line and 958 feet east of the west line of Section 5, Township 41 South, Range 26 East, San Juan County, Utah.

It is understood that Cause No. 109-1 provides that no well will be located within 500 feet from the exterior boundary of the legal subdivision unless topographical reasons prevent compliance. In this event, an exception may be granted without hearing or notice with the consent of offset operators. The proposed location is 362 feet from the east exterior boundary of the drilling unit.

We respectfully request approval of Monsanto Company's application.

Dexaco, Inc.

By Cor Church Soller and Danneberg

Pan American Petroleum Corporation

By SB Ruchards G

Warrior Oil Company

Kimbark Exploration, Ltd.

By Cor Configuration

November 28, 1966

Monsanto Company 900 Patterson Building Denver, Colorado 80202

> Re: Well No. Navajo "A" - #3, Sec. 5, T. 41 S., R. 26 E., San Juan County, Utah.

Gentlemen:

This letter is to confirm verbal approval given by Cleon B. Feight, on November 23, 1966, in accordance with the Order issued in Cause 109-1, on March 11, 1965, and with your letter dated November 22, 1966.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer HOME: 277-2890, Salt Lake City, Utah OFFICE: 328-5771 - 328-5772 - 328-5773

This approval terminates within 90 days if the well has not been spudded-in within said period. Enclosed please find Form OGCC-8-X, which is to be completed whether or not water sands (aquifers) are encountered while drilling. Your cooperation with respect to completing this form will be greatly appreciated.

The API number assigned to this well is 43-037-20164 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT EXECUTIVE DIRECTOR

CBF:sc

CC: P. T. McGrath, District Engineer
U. S. Geological Survey
Box 959
Farmington, New Mexico



UNIDED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

								ALLOTTEE OR TRIBE NAMI
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b. TYPE OF COMP				14	A			
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Monanto				*1			9. WELL NO.	
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26. TYPE ELECTRIC A	AL LENSY IN		renewa .		<u> </u>			27. WAS WELL CORED
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33.*			PROI	DUCTION				
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1/1/67	Pun	ping 15"	Insert Rod	Pump				de la company
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OILBBL.	GAS-		WATER BBL.	- Landa and
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SIGNED	1111/		TITLE _	Metrict	Product	ion In	DATE	2/2/61
	//	•						

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of cepies to be submitted particularly with regard to local, area in or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and of field prior to the time time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereo, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

should be listed on this form, see item 35.

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Federal office for specific instructions.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 21: Indicate which elevation is specific in any interval in the separate production from more than one interval interval in other spaces on this form, adequately indentified, in the separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well show the details of any multiple stage cementing and the location of the cementing tool.

Hem 29: "Sacks Cement": Attached subject on this form for this well show the details of any multiple stage cementing tool.

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985-3 m.c. 125-3 vol.



FORM OGCC-8-X
FILE IN QUADRUPLICATE

STATE OF UTAH OIL & GAS CONSERVATION COMMISSION 348 EAST SOUTH TEMPLE SUITE 301 SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name &	Number <u>Navajo "A"</u>	#_3	900 Patterson Bui	13100
Operator N	onsanto Company	Address		Phone_222-5641
	onsairoo compariy		P. 0. Box 2146	2 110 110
Contractor_C	actus Drilling Corpor	ation Address	Farmington, N. Me:	x.Phone <u>325-6631</u>
LocationSW_	½SW ½ Sec. 5 T. 41	MXR. 26 E	San Juan	County, Utah.
Water Sands:		S XXX		
	<u>Depth</u>	Volume		Quality
From	То	Flow Rate or	Head	Fresh or Salty
1. 1310	1550 (Navajo)	Not Meas	ıred	Fresh
23050	3125 (DeChelley) Not Meas	ıred	Salty
3				
4				
				·
-			(Continued on reve	rse side if necessary)
Formation To	ps: Hermosa	4920	Bottom Ismay	5946
	Upper Ismay Lower Ismay	5 8 08 5905	Desert Creek	5994
Remarks:				

NOTE:

- (a) Upon diminishing supply of forms, please inform the Commission.
- (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
- (c) If a water analaysis has been made of the above reported zone, please forward a copy along with this form.

Form 9-331	'TED STATES	SUBMIT IN TR. CATE	
May 1963)	EPARTM TOF THE INTER	RIOR (Other instructi — on r	5. LEASE DESIGNATION AND SERIAL NO.
	GEOLOGICAL SURVEY		14-20-603-708
(Do not use this form	Y NOTICES AND REPORTS for proposals to drill or to deepen or plug "APPLICATION FOR PERMIT—" for such	back to a different reservoir.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
UR	AFFINORION FOR I BREATT - 101 Page	yloyou,	Navajo Tribal
OIL GAS WELL	OTHER Salt Water Disposal	•	
NAME OF OPERATOR			8. FARM OR LEASE NAME
Monsanto Compar	n v		Navajo "A"
ADDRESS OF OPERATOR			9. WELL NO.
OOO Potterson	Building, Denver, Colorado	80202	_3
LOCATION OF WELL (Repor	t location clearly and in accordance with an	y State requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface			McElmo Mesa
			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
sw sw or 9581	FWL & 660' FSL		DURTEL VA ARMA
•			Sec. 5, T41S, R26E
. PERMIT NO.	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH 18. STATE
	5163 RT		San Juan Witah
	Check Appropriate Box To Indicate	·	Other Data
NOTIC	CE OF INTENTION TO:	5056	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMENT [®]
REPAIR WELL	CHANGE PLANS	(Other)	The state of the s
(Other) Conver	t to SWD X	Completion or Recon	its of multiple completion on Well appletion Report and Log form.)
	IPLETED OPERATIONS (Clearly state all pertin is directionally drilled, give subsurface lo	ent details, and give pertinent dat cations and measured and true vert	ical depths for all markets and somes per
	•	.) 	
Navajo "A" #3	pumped 98 BO and 2526 BW :	in 12 days, pumping t	est ending January 19,
1967.		୍ର ଜୁ	
•		in the second se	
1/20/67 - Perf	orated 5866-5874 w/2 McCu % BDA and 2,000 gallons 1	llough super jets per	foot acidized with
500 gellone 15	A RDA and 2.000 gallons 1	5% SRA.	
Joo garming Th	b Phr care 2,000 Sameting 2	£	- 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2/02/67 Croh	bed total 175 barrels flu	1d 1-2% of 1.	ကြောက်သည် ကာ ကြောက် သည်။ ကြောက်သည် မောက်သည်
T/ST/01 - 2Man	bed cocar 1/) pariers ira	za z-zp ozz	그런 글 문문 이 없는 그 현실 보통 생각하다.
2/00/69 0-2	bed 100% water. Ran tubi	ng with nacker set at	5900! in preparation
T/55/01 - 2M80	salt water disposal throu	ch 5018-5012 perforat	tions 5 g F S B S
			100 mg
Approval i	s granted in accordance wi	th the Order issued	in Cause No. 125-1,
White a	uary 10, 1967.		
dated rebr	uary ro, roof.		
		/2D BY UTAH OIL	CONTROL OF STATE OF S
		CONSERVATION COMMI	
		COMPERTATION COMMI	>하다가 요를 다른 트립션다

*See Instructions on Reverse Side

18. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

APPROVED BY ________CONDITIONS OF APPROVAL, IF ANY:

SIGNED

DATE: 2-14-67 by

To state

pril 25, 1967

Monsunto Company 900 Patterson Building Denver, Colorado 80202

Re: Well No. Navajo "A" #3, Sec. 5, T. 41 S., R. 25 E., San Juan County, Utah.

Gentlemen:

In checking our filed it was noted that we have not as yet received a subsequent report of covering the above mentioned well to a salt water disposal well.

It would be appreciated if you could forward this information as soon as possible.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

SHARON CAMERON RECORDS CLERK

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DEPARTMENT OF GEOLOGIC SUNDRY NOTICES AN (Do not use this form for proposals to drill of Use "APPLICATION FOR IT. OIL WELL OTHER Salt Wa: NAME OF OPERATOR MONSANTO COMPANY 3. ADDRESS OF OPERATOR 900 Patterson Building, Denver Location of Well (Report location clearly and in See also space 17 below.) At surface SW SW or 958 FWL & 660 FSL	CAL SURVEY ND REPORTS Of to deepen or ping bath per properties of such prosection of the properties o	N WELLS ck to a different reservoir. posals.) 202 tate requirements.*	Budget Burea 5. Lease designation 14-20-603-76 6. If INDIAN, ALLOTTEE Navajo Tribo 7. UNIT AGREEMENT NA 8. FARM OR LEASE NAM Navajo "A" 9. WELL NO. 3 10. FIELD AND POOL, OR MCELMO Mesa 11. SEC., T., R., M., OR E SURVEY OR AREA Sec. 5, T418 12. COUNTY OR PARISH San Juan	OR TRIBE N
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14. PERMIT NO. 15. ELEVAT 51 16. Check Appropriate NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTE	L63 RT		Sec. 5, T413 12. COUNTY OF PARISH	, R26E 13. state
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51 Check Appropriate NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTI	L63 RT		San Juan	13. STATE
Check Appropriate NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTE		. (N.: D.: C		Utah
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTS	Box To Indicate No	. (N. D C	Nhan Data	
	<u> </u>		JENT REPORT OF:	
PRACTURE TREAT MILTIPLE CO		WATER SHUT-OFF	REPAIRING V	
	DMPLETE -	FRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONME	
SHOOT OR ACIDIZE REPAIR WELL CHANGE PLAN	Na -		SVD.	X
(Other)		(Note: Report results	of multiple completion letion Report and Log for	on Well
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Cle proposed work. If well is directionally drilled, nent to this work.) *	early state all pertinent, give subsurface location	details and give portinent dates	including estimated dat	e of starting
Tubing ran with packer set at 1967.	5900' in acco	ordance with Sundry	Notice dated Fe	bruary
Initiated water disposal down 1967.	n tubing throug	gh perforations at 5	918-5912 on Mai	ch 5,
March total injection 13,130	barrels water	at 150 psi average	injection press	sure.
		-		

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771

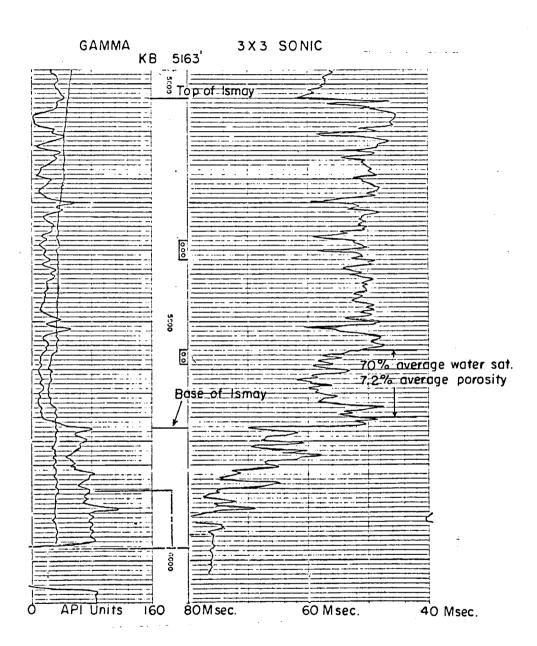
FORM NO. DOGM-UIC-1 (Revised 1982)

(RULE I-5 & RULE I-4)

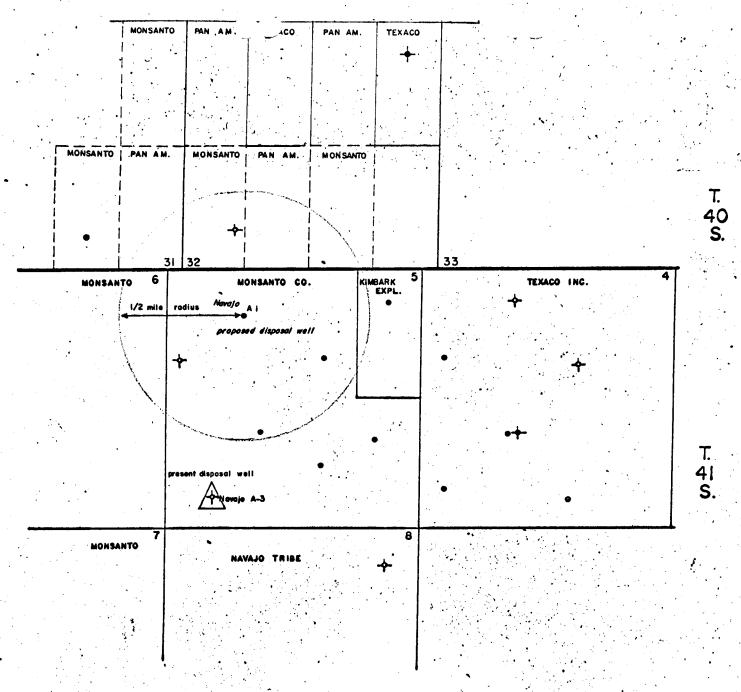
		•			
N THE MATTER OF THE APPLICATION Monsanto 011 Company	TION OF	C4110			
DDRESS Suite 600, 5613	OTC Parkway.	. CAUSE	NO		
Englewood, CO	71P 80111				
	CORPORATION X		D RECOVERY	INJ. WELL	
OR ADMINISTRATIVE APPROVA	-	DISPOSAL LP GAS ST			8
IJECT FLUID INTO THE Nava			WELL (RULE	I-4)	X
C5 TWP41S	PANGE 26E	· · · · · · · · · · · · · · · · · · ·	:	· · · · · · · · · · · · · · · · · · ·	
San Juan					-
	•				
	API	PLICATION			
Comes now the applican 1. That Rule I-5 (g) (iv) Gas storage operations. 2. That the applicant s	t and shows the Cor authorizes adminis	poration Commiss trative approval of			ons, disposal or LI
ease Name	Well No.	Field		County	····
Navajo "A"	3	1	Ismay	1	n Juan
ocation of Enhanced Recovery					
njection or Disposal Well SW, SW			wp. <u>41S</u>	_	Rge. <u>26E</u>
New Well To Be Drilled Yes □ No 🖾	Old Well To Be Conve Yes		Casing Test Yes	⊠ No 🗆 Date	<u>Nov.</u> 1966
Depth-Base Lowest Known Fresh Water Within ½ Mile 2680	Does Injection Zone C Oil-Gas-Fresh Water	iontain Within ½ Mile YES 🖾	NO 🗆		What 1 and Gas
ocation of 5912'-591	8'	Geologic Name(s) and Depth of Source	(s) Para	adox - He	rmosa
Geologic Name of njection Zone Paradox -	Hermosa	Depth of Injection Interval 5912	to 5918		
a. Top of the Perforated Interval: 591	b. Base of Fresh	Water: 26801 c. l	ntervening Thick	cness (a minus	b) 3232'
s the intervening thickness sufficient to without additional data?	show fresh water will be			· · · · · · · · · · · · · · · · · · ·	
:al -1	ndstone, Carbon	<u> </u>			
njection Rates and Pressures	·				
	Maximum		- 1588	B/D	
			1000	PSI	
The Names and Addresses of Those to W	/hom Notice of Application	on Should be Sent.			
			····		
					
nate ofColorado	•	16876N	ev/	Regional	Production
4	······································	X. J. Eb	ner Apr	olicant	
ounty ofArapahoe)	,			-10
Before me, the undersigned on nown to me to be the person wh ath states, that he is duly auth nerein, and that said report is tr	ose name is subscrib orized to make the	ed to the above in	istrument, w	he being by	me duly sworn oi
Suscribed and sworn to be		th day of Octo	ber_,19_	83 /	
SEAL		.Tan/hi	anici)	th / T	
My commission expires _	March 15, 1986	Notary I	Public in and	for State	of Colorado

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW * * * * * * * *

2016
NO
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80
<u> </u>



MONSANTO NAVAJO A-3 Gamma Ray-Sonic Log



R. 26 E.

MC ELMO MESA FIELD

San Juan County, Utah

Scale : | " = 2000"

*** PROPOSED DISPOSAL WELL PLAT

EXHIBIT 1.5

EXHIBIT 2

List of Lessee's Within One-Half Mile Radius of Monsanto Company Navajo A-1 Proposed Injection Well

Pan American Petroleum Corporation

Doyle H. Baird

Warrior Oil Company

Zoller and Danneberg

C. Crady Davis

The Kimbark Company

Walter K. Arbuckle

William R. Thurston

William A. Boyd

The First National Bank of Chicago, Trustee under the Will of Thomas Kenneth Boyd

Marion Boyd Donaldson

Janet W. Boyd

William A. Boyd, Custodian for Katherine Boyd

Willam A. Boyd, Custodian for Thomas K. Boyd II

Dorothy M. Allbright

William B. Allbright

Elizabeth B. Boyd

Barbara Boyd Mickey

*Kimbark Operating Company

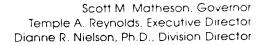
Bernard Laudermilk

G. E. Layton

Fred Murphy

Raymond G. Stone

*Kimbark Operating Company is not a lessee of record but does operate the interests owned by the Kimbark Company and its assigns.





4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 18, 1984

Monsanto Oil Company 5613 DIC Parkway, Suite 600 Englewood, Colorado 80111

Gentlemen:

RE: McElmo Mesa Field Water Injection

With your permission, I would like to make arrangements to meet with a representative from your company to inspect and guage the casing tubing annulus pressure on the following water injection wells located in <u>Section 5. Township 41 South</u>, Range 26 East, SLBM, San Juan County, Utah:

Navajo A-1 (NENW) Navajo A-3 (SWSW) South Ismay #1 (NENE)

Please have your representative contact me by phone: (801) 533-5771.

Thank you,

C.B. Feight UIC Manager

CBF/mfp 030

UTAH DIVISION OF OIL, GAS AND MINING CASING-BRADENHEAD TEST

OPERATOR:	Monsanto Co	mpany						-
FIELD:	McElmo Mesa	1		LEASE:	NAV. 14-	20-603-708		-
WELL #	Navajo A-3	SW:	SW	SEC. 5	_TOWNSHIP_	41S RANGE	26E	-
STATE FED.	FEE DEP	TH 6000	TYPE	WELL W	MAX.	INJ. PRESS	3000	•
TEST DATE	10/23/84	· · · · · · · · · · · · · · · · · · ·		• :				
CASING STRI	NG SIZE	SET AT		PRESSURE READINGS	REMARKS		FUTURE	
SURFACE	13 3/8"	<u> 260'</u>	250 sx		Bradenhe	ad not dug	out	-
INTERMEDIAT	<u>E</u>	4						-
PRODUCTION	4 1/2"	5990	100 sx	0 psi	CTA blew	down in 7	secno li	.quids
TUBING		5900			Injection	pressure a	at pump 50	psi
REMARKS:			t.					
	Injection 1	oressure s	should be	made hig	gher-will re	echeck		
		••		<u> </u>				
	<u> </u>							
		. ,			,			

STATE OF UTAH DIVISION OF OIL, GAS AND MINING 4241 State Office Building Salt Lake City, Utah 84114

WELL INTEGRITY REPORT

DATE:5/8/85	COMPANY/OP	ERATORM	onsanto
Water Disposal Well x Enhanced	Recovery Well		
API Well Number <u>43-037-20164</u>	Field Name	McElmo Cree	k
SEC5_ TOWNSHIP41S RANGE			
Lease Name/Number <u>14-20-603-708</u> Locati		·	
14-20-003-708	* * * * *	1/4 (00)(11.	San Juan
INITIAL CONDITIONS:			
Tubing 1000 Rate/Pressure: 0	bw/d o	psi ı	Not injecting
»Short-String-Bate/Bressure:			Not injecting
Csg-tbg Annulus Pressure:	0 psi		
CONDITIONS DURING TEST:			
Tubing xboogcsboing Pressure: 40	psi 27 Minutes	Time: !	Noon to 12:27
Short string Pressure		<u>.</u>	
Csq-tbg Annulus Pressure 100			
Amount of water added to annulus:	18 bbls		
AFTER ANNULUS BLEED OFF:			
ubing xbangastrangsPressure:0	psi		
senueeenScendodeconddc			
Csg-tbg Annulus Pressure:0	osi		
REMARKS: <u>Injection facility pump</u>	was being repaired	at the time ;	hot oil truck
was moved on the location to pres	sure up CTA to 300 p	si. CTA wou	ld only build-up
to 100 psi. Well has a leak in t	_		- -
workover rig in the later part of	dune to repair well	<u>*</u>	
<u>Howard Jones</u> Operator Representative (Name)			
operator Representative (Maille)		B. Feight ELD INSPECTOR	/11:4
	OIC FI	ELD INSPECTOR	(withess)
	UIC FI	ELD INSPECTOR	(Witness)

SUBN IN TRIPLICATE?
(Other instructions on
reverse side)

DEPARTMENT OF NATURAL RESO DIVISION OF OIL, GAS, AND MIN	URCES	5. LEASE DESIGNATION 21-000708	AND BERIAL NO.
SUNDRY NOTICES AND REPORTS (Do not use this form for proposals to drill or to deepen or plug be "APPLICATION FOR PERMIT—" for such pr	ON WELLS ack to a different reservoir. opossis.)	6. IF INDIAN, ALLOTTE Navajo	S OR TRIBE NAME
OIL GAS OTHER Shut-in Water Dispos	al Well	7. UNIT AGREEMENT N	AMB
2. NAME OF OPERATOR		8. FARM OR LEASE NA	K9
BHP Petroleum Company Inc.		Navajo 'A'	
8. ADDRESS OF OPERATOR		9. WELL NO.	
5613 DTC Parkway, Suite 600, Englewood, C	76187819 6 VELLOS O.	3 3	
4. LOCATION OF WELL (Report location clearly and in accordance with any in Sec also space 17 below.) At surface Sec. 5-T41S-R26E	JUN 0 2 1986	McElmo Mesa	i Blk. and
14. PERMIT NO. 15. BLEVATIONS (Show whether DF.		5-41S-26E	(18. STATE
4303720164	OFF. CIAO CLIVININ	San Juan	Utah
Check Appropriate Box To Indicate No.	ature of Notice, Report, or	Other Data	
NOTICE OF INTENTION TO:	SUBSI	EQUENT REPORT OF:	
TRET WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS		lts of multiple completion apletion Report and Log for	OD Well
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent proposed work. If well is directionally drilled, give subsurface locationent to this work.) 	details, and give pertinent date lons and measured and true vert	es, including estimated dai ical depths for all marker	te of starting an s and zones pert

Monsanto Oil Company acquired by BHP Petroleum Company Inc.

, /		
18. I hereby certify that the foregoing is true and corped SIGNED / WWW / C WILL	TITLE Regional Land Manager	DATEMay 30, 1986
(This space for Federal or State office use)		
APPROVED BY	TITLE	DATE

OIL, GAS AND MINING

NOTICE OF TRANSFER OF OWNERSHIP

Present operator: BHP Petroleum(Am	ericas)Inc.	_ Telephone: 303-850-9090
Address: 5613 DTC Parkway Suite 6	00	_
City: Englewood state: Co.		-
well no.: 1 & 3 (Navajo A Lease)	Field or Unl	t name: <u>McElmo Mesa</u>
Sec.: 5 Twp.: 418 Rng.: 26E count		
Effective date of transfer: 7/20/87		
	May	
Sig	nature of present o	perator
	9/3/97	
Dat		
New operator: Cross Creek Corporati	on	<u>. </u>
Address: P.O. Box 447 607 S. Mil	ller Ave.	
City: Farmington State: N.1	1. zip: 87499-	<u>04</u> 47
City: raimington state.	0 1	
	Aintra	Dan
<u>کلے۔</u> د	anature of new oper	stor Scott L. Hand
	8/24/87	
Da	te	·
(This space for DOGM approval)		
The approval of this transfer in bonding requirements of Rule Real and Gas Conservation General Ru	212-2-1 OT the or	1
and bas competitions	APPRO	OVED BY THE STATE
	OF U	TAH DIVISION OF
	OIL,	GAS, AND MINING
,		9/8/87
-	BY: _	
	•	
Approved by:	Title:	Date:
VbbLosed pl.		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINUSO

SUBMIN A TRIPLICATE (Other instructions on reverse side)

		
N	TNO	SERIAL NO.

PART DIVI	ISION OF OIL, GAS, AND MINI	NG	5. LEASE DESIGNATION AND SERIAL P
			14-20-603-0708 6. IF INDIAN, ALLOTTES OR TRUS NA
SUNDRY NO	DTICES AND REPORTS OF	N WELLS	G. IF INDIAN, ALLOTTES OR TRISE NA
Use "APPL	posals to drill or to deepen or plug back ICATION FOR PERMIT—" for such prop	k to a different recervoir.	Navajo
OIL WALL OTHER			7. UNIT AGREEMENT NAME
NAME OF OPERATOR	WDW		A. FARM OR LEASE NAME
Cross Creek Corp	oration		South Ismay
. ADDRESS OF OPERATOR			9. WELL HO.
P O Box 447 Farm	ington N. M. 87499 0/ a clearly and in accordance with any Stu	447	1,3,4,5
See also space 17 below.)	s ciently and in accordance with any Su	Ate requirements.*	10. FIELD AND POOL, OR WILDCAT
#1-660' FNL & 660	O! FFI/UDU	•	McElmo Mesa
#3-1847' FSL & 89		•	SUBVET OR AREA
14. PERKIT NO.		· .	5-41S-26E
	18. BLEVATIONS (Show whether DF, 27	f. GR. etc.)	12. COUNTY OR PARISH 18. STATE
Acct#395			Kan Juan Utah
16. Check	Appropriate Box To Indicate Nat	ture of Notice, Report, o	r Other Data
NOTICE OF IN	IBATION TO:	8034	SQUENT ESPORT OF:
TEST WATER SEUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	RETAIRING WELL
PRACTURE TREAT	MULTIPLE COMPLETE	PRACTURE TREATMENT	ALTERING CASING
REPAIR WELL	ABANDON®	SMOUTING OR ACIDIZING	ABANDON MENT®
(Other) Change of	Operator	(Other)	its of multiple completion on Well mpletion Report and Log form.)
			tes, including estimated date of starting stical depths for all markers and somes pe
nent to this work.)	stionally drilled, give substitutes location	is and measured and trile ver	tical depths for all markers and sones pe
#4-1833' FNL & 19	968! FFT /OST .		
#5-1951' FSL & 19	983' FWL/OSI		
	d by:BHP Petroleum (A	Americas) Inc.	•
Suite 600			
5613 DTC Parkway			
Englewood, Colora			
Now operated by	: Cross Creek Corpor P.O. Box 447	ration A	#1 43-037-20117
	Farmington, N.M.	87499-0447	# 3 43-037-2016
EFF. 7/20/87		H	43 45 50 , 20 , 20 ,
EII. //20/6/			at 43 -037 - 16269
		South Jam	43 - 03 / - 100 /
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	DIVISION	OF OIL	NZS
	GAS & N	MINING	12,
· ·			
18. I hereby certify that the foregoin			0 10 00
BIGHED A . At a	TITLE Vic	e President	DATE 2-17-87
(This space for Federal or State	office use)		
APPROVED BY	TITLE		DATE
CUMPAL. IS OF APPROVAL, I			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUR GAS AND MINUSE

SUBMISON TRIPLICATES (Other instructions on reverse side)

	D1 V 131(ON OF OIL, GAS	, AND MIN!	ING	5. LEA	SE DESIGNATION	AND BERIAL NO.
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(Do not use this form	e "APPLICA	LIS CO drill or to deep TION FOR PERMIT—	Sen or plug bad	N WELLS the to a different reservoir.	N a		
OFE WALL	ormun W				7. UMI	Vajo 7 AGREEMENT N	AMB
. NAME OF OPERATOR					8. 748	M OR LEASE NA	из
ADDRESS OF OPERATOR	Corpor	ation	1			ajo "A"	. .
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See also space 17 below.) At surface				redutesmants.		lmo Mesa	
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						Juan	Utah
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PRACTURE TREAT	 ∗	CLTIPLE COMPLETE		PRACTURE TREATMENT		ALTERING CA	ASING
SHOOT OR ACIDIZE	→ ^	BANDON ⁴	H	SHOUTING OR ACIDIZING		abanuon m bi	420
REPAIR WELL		HANGE PLANS	H	(Other)	ults of multi	Die completion	
(Other) Change (IT. DESCRIBE PROPOSED WORK If well ment to this work.)	of oper	ator	<u> </u>	(Nors: Report res Completion or Rec	ompletion Re	ort and Log for	·m.)
Now operated	by:	Cross	C Parkwa od, Colo reek Cor x 447	y rado 80111 poration 87499-0447		•	
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EFF. 7/20/8		true and correct	. •	PECE AUG 1	9 1987 OF OIL	ATE \$ -1	287
18. I hereby certify that the	foregoing is	true and correct	. •	PECE AUG 1: DIVISION GAS & M	9 1987 OF OIL	ATB <u>\$-</u>	787

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TE OF UTAH (Of met	ructions on e side)
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	
STATE OF OIL, GAS, AND MINING	5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-708
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310	7. UNIT AGESMBNY NAME
2. NAME OF OFFERENCE OTHER DECENVEN	Unit assessment HARS
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5. ADDESSES OF OPERATOR	Nava jo''A''
& LOCARION OF HIELE	#3
4. LOCATION OF WELL (Report location clearly and in accordance with ANN AND TOPOLITEMENTS." At surface	10. PIBLO AND POOL, OR WILDCAT
660' NSL & 985' EWL OIL, GAS & M!NING	McElmo Mesa
	11. abc., 2., 2., M., OR BLE. AND SURVEY OR AREA
14. PERMITE NO.	SW SW 5,41S,26E
43-037-2016 4 14. SLEVAZIONS (Show whether of, 27, 62, 64.)	13. COUNTY OR PARISE 13. STATE
	San Juan Utah
Check Appropriate Box To Indicate Nature of Notice, Report, or	
*****	QUENT ABPOAT OF:
PRACTURE TREAT	REPAIRING WELL X
SHOOT OR ACIDIES ABANDONS SHOUTING OR ACIDIEING	ABANDOM MENT
REPAIR WELL V CHANGE PLANS (Other)	
	ts of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE PRIMARED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent date proposed work. If well is directionally drilled, give subsurface locations and measured and true vertinent to this work.)	s, including estimated date of starting any cal depths for all markers and zones perti-
Notice given by phone to BLM & Utah O & G	
4/7/89	
4///02	
Attempted to pull tbg., broke off 10' under surface. Fished out tubing.	
Couldn't unseat packer. Tried to back off, uncoupled at 600'.	
Replaced 600' tbg. and wellhead.	
Tried to pressure back side, didn't hold.	
Shut in well. Will re-enter well as soon as financially able.	
Accom	ted by She Ctate
	ted by the State
	h Division of
·	as and Mining
Date: .	5-1-89
By: ∠	a 20 0
	rd only.
	- Joseph
18. I hereby certify that the foregoing is true and correct	
SIGNED / ONMA HAND TITLE Production Clerk	DATE4/14/89
(This space for Poteral or State office use)	
APPROVED BYTITLE	DATE
CUMULL. "S OF APPROVAL, IF ANT:	

Federal Approval of this Action is Necessary

DIVISION OF OIL, GAS AND MINING

			14	-20-603-708
				
SUNDRY NOTICES AN (Do not use this form for proposals to drill o Use "APPLICATION FO	r to deepen or pluit i		5111	MAN, ALLOTTEE OR TRIBE
	Disposal	JAN 18 1990		Nava jo Tribal AGREEMENT NAME
ME OF OPERATOR			8. FARM	OR LEASE NAME
Cross Creek Corporation		DIVISION OF	N	ava jo!!A!!
•	73534	OIL, GAS & MINING	9. WELL	NO. ³
CATION OF WELL (Report location clearly and in accor-	dance with any State red	uriswente	10. FIEL	D and fool, or wildcat
salso space 17 below.) surface	•		· Mc	Elmo Mesa
958 FWL 660 FSL proposed prod. zone	•		11. SEC.	T., R., M., OR BLK, AND SURVEY OR AREA
	•		SWSW	5,41S,26E
	TIONS (Show whether D	F, RT, GR, etc.)	12. COU	NTY 13. STATE
43-037-20164	•		San	Juan Utah
CHECK Appropriate NOTICE OF INTENTION TO: EST WATER SHUT-OFF PULL OR ALTER			OF UTNET DATA UBSEQUENT REP	
RACTURE TREAT PULL OR ALTE	[WATER SHUT-OFF FRACTURE TREATMEN	_	REPAIRING WELL ALTERING CASING
ROOT OR ACIDIZE ABANDON		SHOOTING OR ACIDIZE	· ·	ABANDONMENT*
LEPAIR WELL CHANGE PLANS	· _	(Other)		
(Other)) (Note: Report 1	esuits of multiple	e completion on Well
Annual Report of Shutin We	الأي الثا		Recompletion R	eport and Log form.)
Annual Report of Shutin We	RATIONS (Clearly	DATE OF COMPLETION of Completi	Recompletion R ON	ates, including estimated d depths for all markers and
Annual Report of Shutin Westprox. DATE WORK WILL START DESCRIBE PROPOSED OR COMPLETED OPE starting any proposed work. If well is directionally pertinent to this work.) Work was done on this well April of	RATIONS (Clearly a drilled, give subsur	DATE OF COMPLETE tate all pertinent details, and face locations and measured * Must be according was replace	Recompletion R ON give pertinent d and true vertical ecompanied by d. The packet	ates, including estimated depths for all markers and a cement verification of was stuck and
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Federal Approval of this Action is Necessary

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

	14-20-603-708
SUNDRY NOTICES AND REPORTS ON WELL (Do not use this form for proposals to drill or to deepen or plug back to a difference of the control of t	
. WELL WELL OTHER Stock Tank Vapor Tes	UEU 21 1991 1. UMEAGREEMENT NAME
Cross Creek Corporation	DIVISION OF L. FARM OR LEASE HAME L. GAS & MINING South Ismay
P.O. Box 1957, Duncan, Ok. 73534-1957	9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.	10. FIELD AND FOOL, OR WILDCAT rice lino riesa
Cross Creek Corp.	11. SEC., T., R., M., OR BLK, AND SURVEY OR AREA
43-037-20072 South Damay #3- POW	5,41s,26e
43-037-20134 South Smay #5 - SOW 1. GR. etc.)	San Juan UT.
43-037-20087 South Comay #4 - SOW re of Noti	ice, Report or Other Data
	SUBSEQUENT REPORT OF:
SHOOTIN	RE TREATMENT ALTERING CASING GO OR ACIDIZING Jank ABANDONMENT*
	ote: Report results of multiple completion on Well ompletion or Recompletion Report and Log form.)
and the real of the control of the c	COMPLETION 12-17-90
	it details, and give pertinent dates, including estimated date of nd measured and true vertical depths for all markers and zones
pertinent to this work.)	Must be accompanied by a cement verification report
Kiva Measuring, Inc. 49 Road 5500	
Bloomfield, N.M. 6322762	
Gastec Precision Gas Protector System	•
Gas Analysis H2S Extra Low RAnge 10 to 120 PPM	
Produced Water Tank #2 21 PPM Produced Water Tank #1 13 PPM Produced Oil Tank 3 PPM	
Vent SW#1 SW#2	
Overflow\Ver	TREATER
Vent Oil Pi	
18. I hereby certify that the foregoing is true and correct SIGNED Arms Hand TITLE Clerk	12-19-90 DATE
(This space for Federal or State office use)	
APPROVED BYTITLE	DATE

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

				14-20-603-708
SUNDRY NOTICES AND (Do not use this form for proposals to drill or to Use "APPLICATION FOR PE	deepen or plug be	ck to a differen	t reservoir.	6. IF INDIAN. ALLOTTEE OR TRISE NO
L GAS CO		- proposes,		7. UNIT AGREEMENT NAME
WELL WELL OTHER Annual	Report of	Shutin We	ells	
2. NAME OF OPERATOR				E. FARM OR LEASE NAME
Cross Creek Corporation				South Ismay/Navajo'
		•		9. WELL NO.
P.O. Box 1957 Duncan, Ok. 7 L LOCATION OF WELL (Report location clearly and in accordance)	3534			'A' 3
See also space 17 below.)	, minu mr.) acted tade	riements.	·	10. FIELD AND FOOL, OR WILDCAT
At surface 958 FWL 660 FSL		. •	•	McElmo Mesa
At proposed prod. zone				SURVEY OR AREA
		•	•	SWSW 5,41S,26E
14. API NO.	\$ (Show, whether DF	, RT, GR, etc.)	•	12. COUNTY 13. STATE
4303720164 .				San Juan Ut
te. Check Appropriate Box	To Indicate N	ature of Notic	. Papart or Oth	
NOTICE OF INTENTION TO:	. To indicate (4)		•	•
			SUBSEC	uent report of:
TEST WATER SHUT-OFF PULL OR ALTER CA		WATER SH	UT-OFF	. REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLET SHOOT OR ACIDIZE ABANDON	·		TREATMENT	ALTERING CASING
	·		OR ACIDIZING	ABANDONMENT*
COther) Annual Report of Shu	tin Wells	(Other)_ (No:	e: Report results (of multiple completion on Well spletion Report and Log form.)
APPROX. DATE WORK WILL START			COMPLETION	ipietion Report and Log form.)
starting any proposed work. If well is directionally dripertinent to this work.) Working with EPA on plan to		•	Must be accomp	anied by a cement verification rep
•	•			•
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				SIECIEILAILE
• .			4	
				MAR .1 4 1991
				MM7 11 7 1771
	,			D##01011 0=
	•			DIVISION OF
		· .		OIL GAS & MINING
	•			
	•	•	•	
18. I hereby certify that the foregoing is true and correct	•			
SIGNED Morma Hand	TITLEC1	erk .		DATE
(This space for Federal or State office use)			No. of the second secon	
APPROVED BY	TITLE			DATE

DIVISION OF OIL, GAS AND MINING

1 hereby certify that the foregoing is true and correct SIGNED Arma Hand	Cle	erk	JAN 2 1 1992 DIVISION OF OIL GAS & MINING
			DIVISION OF
in the second of			DIVISION OF
J			DECENVEU
			RECENVEU
			RECENVIEW
	. .		
agencies by March 1, 1992		3	r abbrovar on arr
A proposal plan for repai	r Will he		ompanied by a cement verification rep
starting any proposed work. If well is directionally drill pertinent to this work.)	led, give subsurfac	e locations and measured an	d true vertical depths for all markers and zo
DESCRIBE PROPOSED OR COMPLETED OPERATI	IONS (Clearly day	DATE OF COMPLETION	
CHANGE PLANS (Other) Annual Report of Shut	in We ls	(Other) (Note: Report res Completion or R	ults of multiple completion on Well ecompletion Report and Log form.)
PRACTURE TREAT BIGOT OR ACIDIZE REPAIR WELL GRANGE PLANS		Practure treatment Shooting or acidizing	
FEST WATER SHUT-OFF PULL OR ALTER CAS	···	WATER SHUT-OFF	REPAIRING WELL
Check Appropriate Box NOTICE OF INTENTION TO:	To Indicate Nat	ure of Notice, Report or	Other Data
J-017-20072.	-		San Juan Ut
43-037-20/64 ME NO. 18-22EVATIONS	(Show whether DF.	17. GR. etc.)	5,415,26E
At proposed prod. zone			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
DCATION OF WELL (Report location clearly and in accordance les also space 17 below.)	with any State require	emente.	10. FIELD AND FOOL, OR WILDCAT McElmo Mesa
P.O.Box 1957 Duncan, Ok. 73	534		9. WELL NO. #3
Cross Creek Corporation			& FARM OR LEASE NAME /Navajo'
AME OF OPERATOR .		Shutin Wells	1. Unit agreement name
WELL WELL OTHER Annual	Report of S		
	leepen or plug back RMIT—" for such p	k to a different reservoir. proposals.)	Navajo Tribal

DIVISION OF OIL, GAS AND MINING

	L LEASE DESIGNATION & SERIAL NO.
	14-20-603-708
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE HAM
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.	
Use "APPLICATION FOR PERMIT—" for such proposals.)	Navajo Tribe
OIL CAS DO	1. Unit agreement name
WELL WELL () OTHER WELL'S Well's	
NAME OF OPERATOR	L FARM OR LEASE NAME
Cross Creek Corporation	Navajo "A"
ADDRESS OF OPERATOR	P. WELL NO.
P.O. Box 1957 Duncan, Ok. 73435 LOCATION OF WELL (Report location electry and in accordance with any State requirements.	#1 & #3
LOCATION OF WELL (Report location clearly and in accordance with any State requirements. Jee also space 17 below.)	10. FIELD AND FOOL, OR WILDCAT
At Butface	McElmo Mesa
990 s/n 1650 e/w #1	11. SEC., T. R., M., OR BLK. AND
660 n/s 958 e/w #3	SURVEY OR AREA
π ₁ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ σ	5 410 345
AFE NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	5.41S:26E
43-037-20017 #1	
* 5 - 6 - 7 - 6 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	San Juan Ut'
#3-037-20164 Sheck Appropriata Box To Indicate Nature of Notice, Report o	r Other Data
' NAMES AS INDIVIDUAL DA	ESEQUENT REPORT OF:
TTET WATER BYIM OF THE STATE OF	
WALER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETS FRACTURE TREATMENT SHOOT OR ACIDIZE ABANDON SHOOTING OR ACIDIZE	
AUDITOR NO DEL ACTORE	G ABANDONMENT*
REPAIR WELL V CHANGE PLANS (Other)	
(Other) (Note: Report re Completion or I	sults of multiple completion on Well Recompletion Report and Log form.)
APPROX. DATE WORK WILL START	N
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CTATE OF UTAH

RECEIVED DEC 0 9 1992

- [DIVISION COULL, GAS AND	MINING	a. 🔍	
•		•••	•	5. Lease Designation and Serial Number:
			<u> </u>	14-20-603-708
SUNDRY	NOTICES AND REPO	RTS O	N WELLS	6. If Indian, Aflottee or Tribe Name:
•				Navajo Tribal
Do not use this form for propo Use APPLI	cals to drill new wells, deepen edsting wells, CATION FOR PERMIT TO DRILL OR DEEPEI	or to reenter N form for suc	plugged and abandoned wells. h proposals.	7. Unit Agreement Name:
. Type of Well: OIL GAS] OTHER: Water Dis	posal		8. Well Name and Number: Navajo 'A' #3
. Name of Operator:				9. API Well Number:
Cross Creek Corp	oration			~43-037-20164
I. Address and Telephone Number:		,		10. Field and Pool, or Wildcat:
P.O.Box 1957 Du	ncan, Ok. 73534	4	05-255-8118	McElmo Mesa
Location of Well Footagee: 660 * n/s	958 e/w			County: San Juan
QQ, Sec.,T.,R.,M.:	C.5. T.41S R. 26F	t		State: Utah
	PRIATE BOXES TO INDIC		ATURE OF NOTICE, RE	PORT, OR OTHER DATA
	CE OF INTENT mk in Duplicate)	• .		SEQUENT REPORT bmit Original Form Only)
☐ Abandonment	☐ New Construction		☐ Abandonment *	☐ New Construction
Casing Repair	☐ Pull or Alter Casing		☐ Casing Repair	☐ Pull or Alter Casing
Change of Plans	☐ Recompletion	•	☐ Change of Plans	☐ Shoot or Acidize
Conversion to Injection	☐ Shoot or Acidize		☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat	☐ Vent or Flare		☐ Fracture Treat	™ Water Shut-Off
Multiple Completion	☐ Water Shut-Off		Other Annual Re	eport of Shutin Wells
☐ Other				and the state of t
			Date of work completion	
Approximate date work will start			Report results of Multiple Complet COMPLETION OR RECOMPLETION	ione and Recompletions to different reservoirs on WELL NAND LOG form.
			* Must be accompanied by a cement	t verification report.
DESCRIBE PROPOSED OR COMPLETE vertical depths for all markers and zone	D OPERATIONS (Clearly state all pertinent d a pertinent to this work.)	letails, and gh	re pertinent dates. If well is directionally	r drilled, give subsurface locations and measured and true
Tried to	repair the well	in In	ne of 1992 Rar	n into problems
BLM Form	3160-5 is attach	ed.		in the problems.
Study is	in process to re	pair	in 1993.	
				BECENVELL
				DEC 4 4 4000
				DEC 1 4 1992
*	•			
				DIVISION OF

OIL GAS & MINING

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED					
Budget Bure	Budget Bureau No. 1004-0135				
Expires:	March 31, 1993				

5. Lease Designation and Serial No.

14-20-603-708 **SUNDRY NOTICES AND REPORTS ON WELLS** 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such property 100 Navajo Tribe .7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 4:00.00 8. Well Name and No. Other Disposal Well 2. Name of Operator Navajo "A" #3 DIVISION OF 9. API Well No. Cross Creek Corporation
3. Address and Telephone No. DII. GAS & MININ 43-037-20164 10. Field and Pool, or Exploratory Area P.O.Box 1957, Duncan, Ok. 73534 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) McFlmo Mesa
11. County or Parish, State 660' n/s 958' e/w " 5. T41S, R26E <u>San Juan, litah</u> CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Recompletion **New Construction** Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Final Abandonment Notice Altering Casing Other Well Repair Dispose Water 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 6/29/92 Rig on well, tried to unset packer, pulled 55,000 pounds on tubing to shear packer, tubing parted on 29th joint, discovered packer set at 5900' between two perfs. n da ligger plakk da in frankriger som hen Bled down well, ran in hole with tubing, secured wellhead 6/30/92 7/6/92 Met with Stephen Mason, BLM, Farmington, NM ASAP zto Will ask for meeting with EPA, Window Rock, Az. discuss different approaches for repair of well Shut in approved extended to WAR OI 1993 8/10/92 Field Supervisor MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fire

FORM 9 CARLO AND	SKECEIVE DEC D 9 1992
DIVISION (—)IL, GAS AND MININ	G . 5. Lease Designation and Serial Number:
	. 14-20-603-708
SUNDRY NOTICES AND REPORTS (ON WELLS 6. If Indian, Allottee or Tribe Name:
	Navajo Tribal
Do not use this form for proposals to drill new wells, deepen sideting wells, or to reents Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for su	r plugged and abandoned wells. ch proposals. 7. Unit Agreement Name:
1. Type of Well: OIL GAS COTHER:	8. Well Name and Number:
2. Name of Operator:	9. API Well Number:
Cross Creek Corporation	9 43-037-20164
3. Address and Telephone Number:	10. Field and Pool, or Wildcat:
P.O.Box 1957 Duncan, Ok. 73534	405-255-8118 McElmo Mesa
4. Location of Well Footages: 660 FSL 958 FWL	County: San Juan
CQ, Sec.,T.,R.M.: 5 ω 5ωSEC . 5 . T415. R 2 G F	State: Utah
	ATURE OF NOTICE, REPORT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
☐ Abandonment ☐ New Construction	☐ Abandonment
☐ Casing Repair ☐ Pull or Alter Casing	Casing Repair Pull or Alter Casing
	☐ Change of Plans ☐ Shoot or Acidize
	☐ Conversion to Injection ☐ Vent or Flare
	Fracture Treat
	Other
☐ Multiple Completion ☐ Water Shut-Off	Control Contro
Other Ext. of time to Repair	Date of work completion
Approximate date work will start APR: 1 1994	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
	Must be accompanied by a cement verification report.
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and g vertical depths for all markers and zones pertinent to this work.)	live pertinent dates. If well is directionally drilled, give subsurface locations and measured and true
This is a request for an estension o	y time to repair nanajo A 3. Late
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wells were becaused lin attempt	was made to require A + 0
was not completed, So for i	coronie reasons sur si
least a year extension of the	me.

Federal Approval of this Action is Necessary

Accepted by the State of Utah Division of Oil, Gas and May 1.2

MAY 1 2 1993

DIVISION OF OIL GAS & MINING

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			5. Lease Designation and Serial Number:
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SUNDRY	NOTICES AND REPORTS	ON WELLS	Navajo Tribal
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1. Type of Well: OIL GAS T	OTHER: Dural Well	JL - 1 1994	Navajo 4 #3
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3. Address and Telephone Number:		See and the second seco	10. Field and Pool, or Wildcat:
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4. Location of Well	<u> </u>		County: San Juan
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QQ, Sec.,T.,R.,M.:	C.5. T.4/5 R26E		State: Utah
11. CHECK APPRO	OPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPO	RT, OR OTHER DATA
	CE OF INTENT		UENT REPORT
	bmit in Duplicate)	1 November 1997 (Submit C	original Form Only)
☐ Abandonment	☐ New Construction	☐ Abandonment *	☐ New Construction
Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recompletion	☐ Change of Plans	☐ Shoot or Acidize
☐ Conversion to Injection	☐ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat	☐ Vent or Flare	☐ Fracture Treat	Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	Other	
Other Request for	r Extension of Repairs		e seguen
		Date of work completion	
Approximate date work will start			nd Recompletions to different reservoirs on WELL
•		COMPLETION OR RECOMPLETION AND * Must be accompanied by a cement verific	the state of the s
		- Must be accompanied by a cement vent	
12. DESCRIBE PROPOSED OR COMPLETE	ED OPERATIONS (Clearly state all pertinent details, and g	give pertinent dates. If well is directionally drille	d, give subsurface locations and measured and true
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13.	Maria Marine 7	Handre Clerk	Dete: 6-27-94
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(This space for State use only)			

Assepted by the Utah Division of Oil, Gas and Mining

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JULIED STATES

RECEIVED APR 27

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

APR 2 1 1994

75 Hawthorne Street
San Francisco, CA 94105-3901

Mail Code: W-6-2

Mr. Scott L. Hand Cross Creek Corporation P. O. Box 1957 Duncan, OK 73534

Re: Federal EPA UIC Permit Applications

Dear Mr. Hand:

We have recently completed our review of your federal permit applications for the following three saltwater disposal wells:

South Ismay Navajo A Well #1
McElmo Mesa Navajo A Well #1
McElmo Mesa Navajo A Well #3

Unfortunately, deficiencies common to each of these wells have been identified, deficiencies which must be corrected before we can issue you the permits to operate. Our three areas of concern are as follows: improper well construction, inadequate plugging and abandonment plans, and lack of ample financial bonding.

WELL CONSTRUCTION

All of the wells are similarly constructed. They are set with shallow surface casing and the top of cement behind the long string casing is too deep to protect underground sources of drinking water (USDWs). If you wish to continue operating these injection wells, either you must test them for external mechanical integrity by means of a temperature or noise log, or you must find some form of remediation to protect the USDWs from flow behind pipe.

Demonstrating external mechanical integrity is, in fact, an integral part of the permitting process. Its purpose is to show that there is no interformational flow of fluids behind the casing. Temperature or noise logs are the common testing methods for mechanical integrity. Any well that fails its test must be subjected to a squeeze cement job or plugged and abandoned. If you choose to run external mechanical integrity tests, please inform us within ninety (90) days of receipt of this letter as to the dates of performance and which type of test you intend to conduct (temperature or noise log).

On the other hand, if you choose to remediate the wells, you have two options: (1) cover all of the aquifers through squeeze cement with circulation to the surface or (2) isolate various formations with squeeze cement (using perforations if necessary) to protect USDWs. Each well will be slightly different as respects zones needing cement to assure isolation. If you do select well remediation, so advise us within ninety (90) days and let us know which form of remediation you intend to pursue.

PLUGGING AND ABANDONMENT

Before completing the final plugging and abandonment of injection wells, operators are required to place cement across all USDWs. In reviewing your plan, we found that this specification has not been addressed satisfactorily. We are enclosing, therefore, a well schematic and a description of changes needed to bring your proposed plan up to standard. We will need your revision before issuing any permits.

FINANCIAL RESPONSIBILITY

EPA also requires proof of financial responsibility to ensure that injection wells are adequately plugged. Federal regulations stipulate that the EPA be named as the beneficiary of any bonding instruments used to establish such financial responsibility.

Your \$50,000 bond with the Bureau of Indian Affairs will be used to cover the cost of plugging existing producing wells and to provide for surface restoration. Further, since the plugging and abandonment plan you submitted was inadequate, and necessary revisions will exceed your \$12,000 estimate regarding plugging costs, we require that you furnish another bond in the amount of \$50,000 showing EPA as the beneficiary.

I hope this letter gives you sufficient information to make the necessary changes to your permit applications. We will expect a response within ninety (90) days or the permits will be denied. Bear in mind that operating any of the three subject injection wells without EPA authorization could result in an enforcement action with penalties.

If you have any further questions, feel free to call James Walker of the Navajo EPA at (505) 368-4125 or David Holguin of my staff at (415) 744-1836.

Sincerely,

Doris Betuel, Chief

Groundwater Pollution Control Section

enclosures

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

PHONE CONVERSATION	ON DOCUMENTATION	ON FORM	
 This is the original form □ or a copy □ Route this form to: WELL FILE	☐ SUSPENSE Return date To: initials		XX OTHER OPERATOR FILI CC: JRB
Date of phone call: 2-2-00	т	ime: <u>10:47</u>	AM
OGM employee (name) <u>KRISTEN RISBECK</u>			Initiated call? □
Spoke with:			
lame <u>BERTHA SPENCER</u>			_ Initiated call?
of (company/organization) BIA/WINDOW ROCK AZ	744	Phone no.	(520)871 2 5938
THE OPERATOR (CURRENT LESSEE) RECOGNIZE	D BY THE BLA IS AMO	CO PRODUCTI	ON COMPANY. AMOCO
(S NOW RESPONSIBLE FOR THE ABOVE LEASE.			
MS. SPENCER INFORMED ME THAT AMOCO IS PORM OF DOCUMENTATION REGARDING THE INFORMAT (SEE ATTACHED)	ION: SHE WILL FAX A		
·			

AUTOMATIC TELEFAX

DATE: February 3, 2000

LOCATION: BUREAU OF INDIAN AFFAIRS
Navajo Area Office (Mail Code: 543)
Window Rock, Arizona 86515

INFORMATION OR ASSISTANCE NO.: (520) 871-5938

NUMBER OF DOCUMENTS (Including cover sheet): 2

TO THE ATTENTION OF: Kirsten Risbeck - Utah Oil & Gas Mining

Office Phone Number: (801) 538-5281

TELEFAX NO.: (801) 359-3940

FROM: Bertha Spencer, Realty Specialist - Minerals & Mining Section

Office Phone Number: (520) 871-5938

Telefax Number: (520) 871-5943

MESSAGE OR INSTRUCTIONS: Attached is a copy of the letter that went to Krystal Energy. If you have any questions, you can call me at the above number.

FAXED BY: Byper TIME: 11:00 fr

xxxxxxxxxxx NAVAJO REGION P. O. BOX 1060 Gallup, New Mexico 87305-1060

RRES/543

DEC 08 1999

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Nicholson Krystal Energy P.O. Box 3897 Window Rock, Arizona 86515

Dear Mr. Nicholson:

We are returning the proposed Assignment of Mining Lease for Navajo Tribal Oil and Gas Lease No. 14-20-603-708 between Amoco Production Company and Krystal Energy, Inc. and the proposed Assignment of Oil and Gas Lease Operating Rights between Cross Creek Corporation and Krystal Energy, Inc., without action.

By letter dated October 20, 1999 from the Navajo Nation Minerals Department, we have been advised not to process the above proposed assignments for approval at this time because Krystal Energy is currently not eligible to obtain a lease under the Navajo Nation law and due to other concerns of the Navajo Nation.

Therefore, upon receipt of this notice, you are directed to immediately cease all operation on the above lease. By a copy of this letter, the current lessee, Amoco Production Company, is instructed to immediately take over operation of the subject lease.

If you have any questions, please contact Ms. Bertha Spencer, Realty Specialist at (520) 871-5938 or Birnal Shrestha of Navajo Nation Minerals Department office at (520) 871-6587

Sincerely,

GENNI DENETSONE

Regional Director

Enclosures

cc:

Amoco Production Company, POB 800, Denver, CO. 80222 - CERTIFIED MAIL Navajo Nation Minerals Department Bureau of Land Management, Attn: Steve Mason, Farmington Field Office Linda Taylor, SH/RES





Michael O. Leavitt Governor Kathleen Clarke Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD) F-ED 3/3/2000

43.037.20164

March 3, 2000

Ms. Bertha Spencer Bureau of Indian Affairs Navajo Area Office (Mail Code: 543) Window Rock, Arizona 86515

Re: Oil & Gas Operations on Lease No. 14-20-603-708

Dear Ms. Spencer:

It was recently brought to my attention that the B.I.A. has returned, without action, a proposed Assignment of Mining Lease for the above referenced Navajo Tribal Oil and Gas Lease between Amoco Production Company and Krystal Energy, Inc., along with a proposed Assignment of Oil and Gas Lease Operating Rights between Cross Creek Corporation and Krystal Energy, Inc. The Bureau has also instructed Amoco, as current lessee, to immediately take over operation of the lease.

The Division of Oil, Gas and Mining intends to contact Amoco to request that they commence submitting various production and status reports for wells located on this lease. Our files, however, do not contain any documentation regarding lease assignments, or of Amoco's involvement with this lease. I am therefore writing to request, if possible, that copies be sent to the Division of any B.I.A. records pertaining to the following matters:

- 1. Documents that identify Amoco as the current lessee;
- 2. Documents that show which wells Amoco is responsible for (our records indicate that there are three oil wells and three water disposal wells located in this lease area);
- 3. Any monthly production and injection reports pertaining to the wells in this lease that are in your possession or readily available to you for the reporting periods of April 1999 to present.

Page 2 Ms. Bertha Spencer Lease No. 14-20-603-708 March 3, 2000

Your assistance in obtaining copies of these records will be greatly appreciated. If there are costs or complications pertaining to this request, please feel free to contact me at 801-538-5275, or by email at dstaley@state.ut.us. Thank you very much.

Sincerely,

Don Staley

Information Services Manager

Don Staly

Oil and Gas

cc: J.R. Baza

K.D. Risbeck

Well Files:

South Ismay 1 (API 43-037-16269) 5-41S-26E

South Ismay 3 (API 43-037-20072) 5-41S-26E

South Ismay 4 (API 43-037-20087) 5-41S-26E

South Ismay 5 (API 43-037-20134) 5-41S-26E

Navajo A-1 (API 43-037-20117) 5-41S-26E

Navajo A-3 (API 43-037-20164) 5-41S-26E

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

(Loc.	original/copy to: Vell File) SecTwpRng No.)		
1.	Date of Phone Call:	-03 Time:/	0:00
2.	Talked to: Name Le les le Son	$ \begin{array}{c} f. Cordon \\ \hline Cordon \\ \hline Cordon \\ \hline Cordon \\ \hline Fla (SF) \end{array} $ (Example 1) - Phone N	60. <u>(415) 972-3541</u>
3.	Topic of Conversation: _mis	ssing injection volumes si a es Cruk Resources er Krys	annual reports. Lal Energy?)
4.	No injection for apr No injection for yan Wells PAID by Emoca Sheve Mason (Blm No injection info. Will fax PA info.	(Lease Amour Prod. Co., 1-Dic. 1999 1-Dic. 2000 0 10/2000 s. 9/2000. (N - Farmington Hm) 505-5 for above months. 2-4-2003 (Pec'd 24-03 g urface restoration. vas the designated operator operator. (Amoco Prod. Co	10 PA info. available) 99-6364 CLE WILL Files)

(June 1990) DEPARTN	INITED STATES IENT OF THE INTERIOR	PORM APPROVED Budget Sureau No. 1004-0135 Explore: March 31, 1953
		Explore: March 31, 1993 5. Lane Designation and Sortal No. 1.4-20-603-708
SUNDRY NOTIC	ES AND REPORTS ON WELLS of till or to deepen or reentry (in all ferent-reservoir.) FOR PERMIT—" for such proposals	6. If Indian, Allegee or Tribe Nume
Use "APPLICATION	FOR PERMIT—" for such proposals	NAVAJO TRIBAL
SUBI	MIT IN TRIPLICATE	7. W Unit or CA, Agramment Designation
Well Will K Ober WATER	INJECTION	E. Well Hams and No.
2. Name of Operator AMOCO PRODUCTION COMPANY	ATTN: MELISSA VELASCO-PRICE	NAVAJO A #3
3. Address and Tolophose No. P.O. BOX 3092 HOUSTON, TX	77253 (218)366-2548	43-037-20164 10. Field and Fuel, or Englancery Assa.
4. Leonien of Well (People: Sec., T., A., M., or Surv		MCELMO MESA
958' FWL 660' FSL SECT	TION 5, T-41S, R-26E	II. County or Purch, Sons SAN JUAN, UTAH
12. CHECK APPROPRIATE BO	DX(a) TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abendonment	Change of Flam
(2) Subsequent Report	Recompletion Physics Back	Now Construction How-Equation Producting
-	Cusing Repair	West Sim-Off
Final Absolutement Nation	Altering Cooling	Conversion to Injection Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
BP-AMOCO PLUGGED AND ARAI		OVED. PROCEDURES
OF 8 C	2000 F	OIL, GAS & MINING
Signal Live Co.	2 m. Permitting AssT	Des 10-23-00
(This space for Federal or State office and)		FENTED FOR RECOR
Approved by Conditions of approval, if any:	1000	· · · · · · · · · · · · · · · · · · ·
Title 16 U.S.C. Section 1001, makes it a crime for any p	erute knowingly and wilthily to make to ney desartment or esector of the United	Inner my film, fictions or frueddent statement

P&A OPERATION CEMENT SERVICE REPORT

WELL NAME: NAVAJO A #3

TOTAL PLUGS SET: 5

DATE STARTED: 10-05-00

TOTAL SACKS USED: 572 sx

DATE COMPLETED: 10-20-00

BLM WITNESS: M. KECMAN OPERATOR WITNESS: N/A

MOL WITH RU AND PLUGGING EQUIPMENT AND RU. NU RELIEF LINE AND BLOW WELL DOWN. ND WELLHEAD AND NU BOP, TEST BOP. LD 1-4'x2 3/8" SUB. RU WIRELINE AND RIH WITH SINKER BAR AND TAGGED FILL AT 1460'. POH. CLEAN OUT TO 1476' AND TAGGED TOP OF FISH. POH AND LD 3779.07' OF 2 3/8" TBG (123 JTS) TOP OF FISH AT 5258'. PU BIT AND RIH AND TAGGED FILL AT 5215'. BLM APPROVED CHANGE IN PROCEDURE. POH.

PLUG #1 (ISMAY, 5115' - 5215').

PERFORATED SQUEBZE HOLES AT 5215'. POH. PU AND RIH WITH 4 K" RETAINER AND SET AT 5166'.
ESTABLISHED INJECTION RATE INTO PERFORATIONS WITH WATER AT 3 BPM WITH 1000 PSI. MIXED 51 SX CL. B CEMENT PLUG, PLACING 43 SX BELOW AND 8 SX ABOVE RETAINER. POH AND WOC. RU WIRELINE AND RIH AND TAGGED TOC AT 4735'.

PLUG #2 (HERMOSA, 4634' - 4734').

BLM APPROVED CHANGE IN PROCEDURE. PUH AND PERFORATED SQUEEZE HOLES AT 4734'. POH. PU AND RIH WITH 4 'A" RETAINER AND SET AT 4698'. ESTABLISHED INJECTION RATE AT 3 BPM WITH 800 PSI. MIXED 51 SX CL. B CEMENT PLUG, PLACING 43 SX BBLOW AND 8 SX ABOVE RETAINER. POH. RIH WITH WIRELINE AND TAGGED TOC AT 4587'.

PLUG #3 (DECHELLY, 2952' - 3052'),

PERFORATED SQUEEZE HOLES AT 3052'. (PERFORATIONS WERE TO BE AT 3102', BLM/EPA APPROVED CHANGE IN PROCEDURE) POH. PU AND RIH WITH 4 1/4" RETAINER AND SET AT 3001'. MIXED 55 SX CL. B CEMENT PLUG, PLACING 43 SX BELOW AND 12 SX ABOVE RETAINER. POH AND WOC. RIH WITH WIRELINE AND TAGGED TOC AT 2816'.

PLUG #4 (CHINLE, NAVAJO, 1670' -- 1900'),

LOCATED BRADEN HEAD VALVE AND RU TO PIT. PERFORATED SQUEEZE HOLES AT 1900'. POH. PU AND RIH WITH 4 %" RETAINER AND SET AT 1863'. CIRCULATED CSG WITH WATER AND ATTEMPTED TO PRESSURE TEST, CSG INJECTED AT 1 ½ BPM WITH NO PRESSURE. STUNG INTO RETAINER AND ESTABLISHED INJECTION RATE INTO PERFORATIONS WITH WATER AT .25 BPM WITH 1800 PSI. MIXED 108 SX CL. B CEMENT PLUG, PLACING 94 SX BELOW AND 14 SX ABOVE RETAINER. POH.

PLUG #5 (SHOE, SURFACE, 0' - 310'),

RIH WITH WIRELINE AND PERFORATED SQUEEZE HOLES AT 310'. POH. PU AND RIH WITH RETAINER AND SET AT 238'. ATTEMPTED TO PRESSURE TEST CSG BUT INJECTED AT 1 ½ BPM WITH NO PRESSURE. STUNG INTO RETAINER AND ATTEMPTED TO ESTABLISH INJECTION RATE BUT PRESSURED UP TO 2000 PSI AND HELD. BLM APPROVED CHANGE IN PROCEDURE. RIH WITH WIRELINE AND TAGGED RETAINER. PUH AND PERFORATED SQUEEZE HOLES AT 226'. POH. PU AND RIH WITH 4 ½" RETAINER AND SET AT 207'. ESTABLISHED CIRCULATION TO SURFACE WITH WATER OUT THE BRADON HEAD. MIXED 307 SX TO CIRCULATE GOOD CEMENT TO SURFACE INSIDE AND OUTSIDE OF CASING. POH. RD FLOOR AND DUG CELLAR, CUT OFF WELLHEAD AND INSTALLED DRY HOLE MARKER. RD RIG AND CUT OFF ANCHORS. MOL.

NATHAN E. CRAWFORD. P&A SUPERVISOR